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May 10, 2004

Margaret Efron

Margaret Efron, Patent Attorney

INFORMATION DISCLOSURE
STATEMENT
Patent Application
Docket No. UF-311XC1
Serial No. 10/718,842

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 2661
Applicant(s) : Sartaj Kumar Sahni, Haibin Lu, Kun Suk Kim
Serial No. : 10/718,842
Filed : November 21, 2003
For : Partitioning Methods for Dynamic Router Tables
Conf. No. : 1937

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

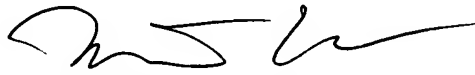
Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

The applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



Margaret H. Efron

Patent Attorney

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Gainesville, FL 32606-6669

MHE/ue

Enclosure: Form PTO-1449
Copies of references cited



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/718,842		
		Filing Date	November 21, 2003		
		First Named Inventor	Sartaj Kumar Sahni		
		Art Unit	2661		
		Examiner Name			
Sheet	1	of	4	Attorney Docket Number	UF-311XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US- 4,251,861	02-17-1981	Mago	All
	U2	US- 4,833,468	05-23-1989	Larson <i>et al.</i>	All
	U3	US- 5,555,405	09-10-1996	Griesmer <i>et al.</i>	All
	U4	US- 5,701,467	12-23-1997	Freeston	All
	U5	US- 5,761,440	06-02-1998	De Marco <i>et al.</i>	All
	U6	US- 5,787,430	07-28-1998	Doeringer <i>et al.</i>	All
	U7	US- 5,909,440	06-01-1999	Ferguson <i>et al.</i>	All
	U8	US- 6,018,524	01-25-2000	Turner <i>et al.</i>	All
	U9	US- 6,021,131	02-01-2000	Even	All
	U10	US- 6,041,053	03-21-2000	Douceur <i>et al.</i>	All

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/718,842
Filing Date	November 21, 2003
First Named Inventor	Sartaj Kumar Sahni
Art Unit	2661
Examiner Name	
Attorney Docket Number	UF-311XC1

Sheet

2

of

4

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
	U11	US- 6,061,712	05-09-2000	Tzeng	All
	U12	US- 6,092,072	07-18-2000	Guha <i>et al.</i>	All
	U13	US- 6,104,701	08-15-2000	Avargues <i>et al.</i>	All
	U14	US- 6,157,955	12-05-2000	Narad <i>et al.</i>	All
	U15	US- 6,212,184	04-03-2001	Venkatachary <i>et al.</i>	All
	U16	US- 6,266,706	07-24-2001	Brodnik <i>et al.</i>	All
	U17	US- 6,289,013	09-11-2001	Lakshman <i>et al.</i>	All
	U18	US- 6,335,932	01-01-2002	Kadambi <i>et al.</i>	All
	U19	US- 6,341,130	01-22-2002	Lakshman <i>et al.</i>	All
	U20	US- 6,522,632	02-18-2003	Waters <i>et al.</i>	All
	U21	US- 6,563,823	05-13-2003	Pyrzygienda <i>et al.</i>	All
	U22	US-2002/0009076	01-24-2002	Engbersen <i>et al.</i>	All

Examiner
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/718,842	
			Filing Date	November 21, 2003	
			First Named Inventor	Sartaj Kumar Sahni	
			Group Art Unit	2661	
Examiner Name					
Attorney Docket Number	UF-311XC1				
Sheet	3	of	4		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	Afek, Y. <i>et al.</i> (Dec. 14, 1999) "Routing with a Clue" <i>ACM SIGCOMM</i> . pp. 203-214, (enclosed copy pages numbered 0-23).	
	R2	BERG, M. (1995) "Two- and Three-dimensional Point Location in Rectangular Sub-divisions" <i>Journal of Algorithms</i> . Vol. 18, No. 2, pp. 256-277.	
	R3	CHANDRANMENON, G. and VARGHESE, G. (1996) "Trading Packet Headers for Packet Processing" <i>IEEE Transactions on Networking</i> . Vol. 4, No. 2, pp. 141-152 (enclosed copy pages numbered 1-13).	
	R4	CHEUNG and MCCANNE. (1999) "Optimal Routing Table Design for IP Address Lookups under Memory Constraints," <i>IEEE INFOCOM</i> . pp. 1437-1444.	
	R5	DEGERMARK, M. <i>et al.</i> "Small Forwarding Tables for Fast Routing Lookups" <i>ACM SIGCOMM Proceedings of the ACM SIGCOMM '97 Conference on Applications, technologies, architectures, and protocols for computer communication</i> . pp. 3-14.	
	R6	DOERINGER, W. <i>et al.</i> (1996) "Routing on Longest-matching Prefixes" <i>IEEE/ACM Transactions on Networking</i> . Vol. 4, No. 1, pp. 86-97.	
	R7	ERGUN, F. <i>et al.</i> (2001) "A Dynamic Lookup Scheme for Bursty Access Patterns" <i>IEEE INFOCOM</i> . pp. 1-10.	
	R8	GUPTA, P. and N. MCKEOWN. (2000) "Dynamic Algorithms with Worst-case Performance for Packet Classification." <i>IFIP Networking</i> . pp. 528-539..	
	R9	HARI, A. <i>et al.</i> (2000) "Detecting and Resolving Packet Filter Conflicts" <i>IEEE INFOCOM</i> . pp. 1203-1212.	
	R10	LAMPSON, B. <i>et al.</i> (1998) "IP Lookup using Multi-way and Multicolumn Search" <i>IEEE INFOCOM Transactions on Networking</i> . Vol. 7, No. 3, pp.324-334.	
	R11	MACIAN, C. and R. FINTHAMMER. (2001) "An Evaluation to the Key Design Criteria to Achieve High Update Rates in Packet Classifiers" <i>IEEE Network</i> . Nov/Dec, pp. 24-29 (enclosed copy pages numbered 1-10).	
	R12	MCAULEY, A. and P. FRANCIS. (1993) "Fast Routing Table Lookups Using CAMs" <i>IEEE INFOCOM</i> . Vol. 3 Mar./Apr., pp. 1382-1391.	
	R13	MCCREIGHT, E. (1985). "Priority Search Trees" <i>SIAM Jr. on Computing</i> . Vol. 14, No. 1, pp. 257-276.	

Examiner Signature	Date Considered
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		Application Number	10/718,842
		Filing Date	November 21, 2003
		First Named Inventor	Sartaj Kumar Sahni
		Group Art Unit	2661
		Examiner Name	
		Attorney Docket Number	UF-311XC1
Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R14	NEWMAN, P. et al. (Jan. 1997) "IP Switching and Gigabit Routers" <i>IEEE Broadband Communications Magazine</i> . Vol. 35, pp. 64-69 (enclosed copy pages numbered 1-8).	
	R15	S. NILSSON and G. KARLSSON (1998) "Fast Address Look-up for Internet Routers" <i>Proceedings of IEEE Broadband Communications</i> . (enclosed copy pages numbered 9-18).	
	R16	RUIZ-SANCHEZ, M. et al. (2001) "Survey and Taxonomy of IP Address Lookup Algorithms" <i>IEEE Network</i> , Mar./Apr., Vol. 15, No. 2, pp. 8-23.	
	R17	S. SAHNI and K. KIM. "Data Structures of IP Lookup with Bursty Access Patterns", www.cise.ufl.edu/~sahni . (enclosed copy pages numbered 1-5).	
	R18	S. SAHNI and K. KIM. (2001) "Efficient Construction of Fixed-Stride Multibit Tries for IP Lookup" <i>Proceedings 8th IEEE Workshop on Future Trends of Distributed Computing Systems</i> . pp. 178-184 (enclosed copy pages numbered 1-7).	
	R19	S. SAHNI and K. KIM. (2002) "Efficient Construction of Variable-Stride Multibit Tries for IP Lookup." <i>Proceedings IEEE Symposium on Applications and the Internet (SAINT)</i> . pp. 220-229 (enclosed copy pages numbered 1-8).	
	R20	S. SAHNI and K. KIM. (2002) "O(log n) Dynamic Packet Routing." <i>7th IEEE Symposium on computers and communications</i> .	
	R21	S. SAHNI and K. KIM, H. Lu. (May 2002) "Data structures for one-dimensional packet classification using most-specific-rule matching." <i>International Symposium on Parallel Architectures, Algorithms, and Networks (ISPAN)</i> . pp. 3-14 (enclosed copy pages numbered 1-12).	
	R22	K. SKLOWER. (1991) "A tree-based routing table for Berkeley Unix." <i>Proceedings of 1991 Winter USENIX Conference</i> . pp. 93-99 (enclosed copy pages numbered 1-4).	
	R23	V. SRINIVASAN and G. VARGHESE. (1999) "Faster IP lookups using controlled prefix expansion." <i>ACM Transactions on Computer Systems</i> . Vol. 17, issue 1, pp. 1-40 (enclosed copy pages number 1-21).	
	R24	SURI, S., G. VARGHESE, and P. WARKHEDE (2001) "Multiway range trees: Scalable IP lookup with fast updates." <i>Proceedings of Globecom '01</i> .	
	R25	WALDVOGEL, MARCEL et al. (1997) "Scalable High Speed IP Routing Lookups." <i>Proceedings of the ACM SIGCOMM '91 Conference on Applications, technologies, architectures, and protocols for computer communication</i> . pages 25-36 (enclosed copy pages numbered 1-12).	
	R26		

Examiner Signature	Date Considered
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